

Mail Stop Interference  
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Paper 32  
Filed: March 28, 2008

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE BOARD OF PATENT APPEALS  
AND INTERFERENCES

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Halliburton Energy Services, Inc.,  
Junior Party  
(Application 10/080,785,  
Inventors: David J. **Leidel** and  
James Phillip Lawson ),

v.

Baker Hughes, Inc.,  
Senior Party  
(Patent 6,564,718  
Inventors: James W. **Reese**, Steve Henderson,  
William Harvey and Terry Slagle).

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Patent Interference 105,587 (RES)  
(Technology Center 1700)

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**Redeclaration - Bd.R. 203(c)**

1  
2       In light of the decision on interlocutory motions (Paper 31) this  
3 interference is redeclared. The subject matter of the interference remains  
4 unchanged except for the designation claims corresponding to the count.

1 For convenience, the entire subject matter of the interference is reproduced  
2 below with the changes indicated with underlining.

3 **Junior Party**

4 Assignee: Halliburton Energy Services, Inc.

5 Involved Application: 10/080,785 filed February 22, 2002

6 Named inventors: David J. Leidel and James Phillip Lawson

7 Title: High Performance Powdered Metal Mixtures for Shaped Charge Liners

8 **Senior Party**

9 Assignee: Baker Hughes, Inc.

10 Involved Patent: 6,564,718 (based upon Application 09/860,116 filed  
11 May 17, 2001)

12  
13 Named Inventors: James W. Reese, Steve Henderson, William  
14 Harvey,  
15 and Terry Slagle

16 Title: Lead Free Liner Composition for Shaped Charges

17 Count 1

18 Claim 9 of U.S. patent 6,564,718.

19  
20 A copy of Claim 9 follows:

21 9. A shaped charge comprising: a housing; a quantity of  
22 explosive inserted into said housing; and a liner inserted  
23 into said housing so that said quantity of explosive is  
24 positioned between said liner and said housing, said liner  
25 formed from a mixture of powdered tungsten and powdered  
26 metal binder, wherein said powdered heavy metal  
27 comprises from 90 percent by weight of said mixture to 97  
28 percent by weight of said mixture, and wherein said  
29 powdered metal binder comprises from 10 percent by  
30 weight of said mixture to 3 percent by weight of said  
31 mixture, said mixture compressively formed into a liner  
32 body shape by cold working under sufficient pressure to  
33 cause powders to behave substantially as a solid mass.

1 The claims of the parties are:

2 **Halliburton Energy Services, Inc.**

3 Application 10/080,785:

4 Claims: 1-5, 7-12, 14-25, 29-41, 45-60

5  
6 **Baker Hughes, Inc**

7 Patent 6,564,718:

8 Claims: 1-22

9 The claims of the parties that correspond to Count 1 are:

10 **Halliburton Energy Services, Inc.**

11 Application 10/080,785:

12 Claims: 1-5, 7-12, 14-25, 29-32, 39-41, 45-48 and  
13 55-60

14  
15 **Baker Hughes, Inc**

16 Patent 6,564,718:

17 Claims: 1-22

18  
19 The claims of the parties that do not correspond to Count 1 and  
20 therefore are not involved in the interference are:

21  
22 **Halliburton Energy Services, Inc.**

23 Application 10/080,785:

24 Claims: 33-38 and 49-54

25  
26 **Baker Hughes, Inc.**

27 Patent 6,564,718: None

28 The parties are accorded the following benefit for Count 1:

29 **Halliburton Energy Services, Inc.**

30 None

31  
32 **Baker Hughes, Inc.**

33 Application 60/206,098 filed May 20, 2000

34  
  
/Richard E. Schafer/  
Administrative Patent Judge

cc: (via electronic mail):

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**Despertt, Sonja**

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**From:** Despertt, Sonja on behalf of Interference Trial Section  
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**Subject:** Interference 105587 (RES) Paper No. 32- Redeclaration-Bd.R. 203(c)  
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